

## Claims

1. Method for controlling an acoustic system in a vehicle, in which the interior is monitored by an interior sensing system, at least the position of an occupant's head in the interior is recognized by an object recognition system from the data supplied by the interior sensing system and a setting of the acoustic system that is optimized for the occupant is performed automatically by a control unit as a function of seat occupancy and the position of the occupant's head in the interior.

2. Method as claimed in Claim 1, wherein the optimized setting of the acoustic system is performed by the control unit as a function of the position of the head of at least one of a plurality of occupants.

3. Method as claimed in Claim 1, wherein active noise suppression is performed by the control unit so that the active site of the noise suppression follows an instantaneous position of the occupant's head.

4. Method as claimed in Claim 2, wherein active noise suppression is performed by the control unit so that the active site of the noise suppression follows an instantaneous position of at least one of the heads of the plurality of occupants.

5. A method for controlling an acoustic system in a vehicle, comprising the steps of:

monitoring an interior of the vehicle with an interior sensing system;  
recognizing at least a position of at least one interior occupant's head with an object recognition system using data supplied by the interior sensing system; and  
optimizing a setting of the acoustic system automatically with a control unit as a function of interior occupancy and the position of the at least one occupant's head in the interior.

6. The method of Claim 5, wherein in the step of optimized the acoustic system setting is performed by the control unit as a function of the position of the head of at least one of a plurality of occupants.

7. The method of Claim 5, wherein the control unit performs an active noise suppression such that an active site of the noise suppression follows an instantaneous position of the occupant's head.

8. The method of Claim 6, wherein active noise suppression is performed by the control unit so that the active site of the noise suppression follows an instantaneous position of at least one of the heads of the plurality of occupants.